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Proposed Maximum Residue Limit PMRL2013-42

Cyantraniliprole

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Publications
Pest Management Regulatory Agency
Health Canada
2720 Riverside Drive
A.L. 6604-E2
Ottawa, Ontario K1A 0K9

Internet: pmra.publications@hc-sc.gc.ca
healthcanada.gc.ca/pmra
Facsimile: 613-736-3758
Information Service:
1-800-267-6315 or 613-736-3799
pmra.infoserv@hc-sc.gc.ca

Canada

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Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has received applications to register technical grade cyantraniliprole and the end-use products DuPont Benevia, DuPont Exirel, DuPont Lumiderm, DuPont Verimark, Syngenta A16901B, and Syngenta A176909 for use in Canada on various commodities.

The evaluation of these cyantraniliprole applications indicated that the end-use products have merit and value, and the human health and environmental risks associated with their proposed uses are acceptable. Details regarding these applications can be found in Proposed Registration Decision PRD2013-09, *Cyantraniliprole*, posted to the Health Canada website on 14 May 2013.

Before registering a pesticide for food use in Canada, the PMRA must determine the quantity of residues that are likely to remain in or on the food when the pesticide is used according to label directions and that such residues will not be a concern to human health. This quantity is then legally established as a maximum residue limit (MRL). An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

In addition, the PMRA is proposing to establish MRLs for cyantraniliprole on citrus fruits, cotton, grapes, and olives to permit the import and sale of food containing such residues. The PMRA has determined the quantity of residues that are likely to remain in or on the imported commodities when cyantraniliprole is used according to label directions in the exporting country, and that such residues will not be a concern to human health. Details regarding the proposed MRLs on imported commodities can also be found in PRD2013-09.

Consultation on the proposed MRLs for cyantraniliprole is being conducted via PRD2013-09. Information regarding the proposed MRLs can be found in Section 3.5.3 and 7.1. Supporting field trial residue data are provided in Appendix I, Table 4. The PMRA invites the public to submit written comments on the proposed MRLs for cyantraniliprole in accordance with the guidance found in PRD2013-09.

To comply with Canada's international trade obligations, consultation on the proposed MRLs is also being conducted internationally by notifying the World Trade Organization, as coordinated by the Standards Council of Canada.

The proposed MRLs for cyantraniliprole are as follows.

Table 1 Proposed Maximum Residue Limits for Cyantraniliprole

Common Name	Residue Definition	MRL (ppm)	Food Commodity
Cyantraniliprole	3-bromo-1-(3-chloro-2-pyridinyl)-*N*-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]-1*H*-pyrazole-5-carboxamide	30	Leafy *Brassica* vegetables (Crop Subgroup 5B)
		20	Leafy vegetables, except *Brassica* (Crop Group 4)
		8.0	Green onions (Crop Subgroup 3-07B)
		6.0	Cherries (Crop Subgroup 12-09A)
		4.0	Bushberries (Crop Subgroup13-07B)
		3.0	Head and stem *Brassica* vegetables (Crop Subgroup5A)
		2.4	Citrus oil
		2.0	Fruiting vegetables (Crop Group 8-09)
		1.5	Pome fruits (Crop Group 11-09), peaches (Crop Subgroup 12-09B), oilseeds (Crop Group 20), grapes, olives
		0.7	Citrus fruits (Crop Group 10-revised)
		0.5	Plums (Crop Subgroup 12-09C)
		0.4	Cucurbit vegetables (Crop Group 9)
		0.15	Tuberous and corm vegetables (Crop Subgroup 1C)
		0.04	Leaves of root and tuber vegetables (Crop Group 2), bulb onions (Crop Subgroup 3-07A), tree nuts (Crop Group 14-11), Root vegetables (Crop Subgroup 1A)
		0.02	Fat, meat and meat by products of cattle, goats, hogs, horses, poultry and sheep; eggs, milk
		0.01	

ppm = parts per million

MRLs are proposed for each commodity included in the listed crop groupings in accordance with the Residue Chemistry Crop Groups webpage in the Pesticides and Pest Management section of Health Canada's website.

MRLs established in Canada may be found using the Maximum Residue Limit Database on the Maximum Residue Limits for Pesticides webpage. The database allows users to search for established MRLs, regulated under the *Pest Control Products Act*, both for pesticides or for food commodities.

International Situation and Trade Implications

Cyantraniliprole is a new active ingredient that is concurrently being registered in Canada and the United States. The MRLs proposed for cyantraniliprole in Canada are the same as corresponding tolerances to be promulgated in the United States.

Once established, the American tolerances for cyantraniliprole will be listed in the Electronic Code of Federal Regulations, 40 CFR Part 180, by pesticide.

Currently, there are no Codex MRLs[1] listed for cyantraniliprole in or on any commodity on the Codex Alimentarius Pesticide Residues in Food website.

Next Steps

The PMRA invites the public to submit written comments on the proposed MRLs for cyantraniliprole up to 75 days from the date of publication of this document. Please forward your comments to Publications (see the contact information on the cover page of this document). The PMRA will consider all comments received before making a final decision on the proposed MRLs. Comments received will be addressed in a separate document linked to this PMRL. The established MRLs will be legally in effect as of the date that they are entered into the Maximum Residue Limit Database.

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1 The Codex Alimentarius Commission is an international organization under the auspices of the United Nations that develops international food standards, including MRLs.